



NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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AGRICULTURAL NEWS: Temperatures were seasonal in Kentucky last week, but it was another below normal week for rainfall. The lack of water for crops and livestock is a serious concern for farmers. Due to stress this summer from extended hot weather and continued dry conditions, there is widespread concern about how late crops will turn out. **Topsoil moisture** was rated as 47 percent very short, 33 percent short, 19 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated as 35 percent very short, 40 percent short and 25 percent adequate. There were 6.6 days out of a possible 7 that were suitable for fieldwork. Main farm activities last week included cutting and housing tobacco, shelling corn and other general farm work.

ROW CROPS: One-third of the corn has been harvested, compared to 11 percent for the five year average. Three-fourth's of the corn acreage was considered mature, well ahead of the 28 percent for the previous year and the five year average of 57 percent. Ninety-four percent of the corn acreage was in the dent stage, ahead of both the previous year at 80 percent and the five year average of 88 percent. Condition of the corn crop was rated 5 percent very poor, 15 percent poor, 34 percent fair, 38 percent good, and 8 percent excellent. Thirty percent of soybeans were shedding leaves, compared to 7 percent last year, and 9 percent for the five year average. Soybean crop condition was reported as 10 percent very poor, 22 percent poor, 35 percent fair, 26 percent good, and 7 percent excellent.

TOBACCO: Tobacco conditions in the field were reported as 1 percent very poor, 7 percent poor, 29 percent fair, 46 percent good and 17 percent excellent. As of September 5, 52 percent of the dark tobacco and 60 percent of the burley was cut. Eight percent of our respondents reported evidence of

houseburn. Leaf spot was reported as affecting some burley tobacco fields.

OTHER CROPS AND PASTURE: While livestock has benefitted from lower temperatures and humidity; ponds, pastures and hay all need a good, steady rain. Pastures were rated as 16 percent very poor, 26 percent poor, 25 percent fair, 30 percent good, and 3 percent excellent. Hay crop condition was rated as 8 percent very poor, 17 percent poor, 29 percent fair, 38 percent good, and 8 percent excellent.

CROP PROGRESS for week ending 09/05/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Dough	100	99	93	98
Corn Dent	94	87	80	88
Corn Mature	75	65	28	57
Corn Harvested	33	12	0	11
Soybeans Dropping Leaves	30	15	7	9
Burley Tobacco Cut	60	40	48	54
Dark Tobacco Cut	52	45	45	48

SOIL MOISTURE for week ending 09/05/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	47	33	19	1
Subsoil	35	40	25	0

CROP CONDITIONS for week ending 09/05/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	5	15	34	38	8
Soybeans	10	22	35	26	7
Pasture	16	26	25	30	3
Hay Crops	8	17	29	38	8
Tobacco	1	7	29	46	17

KENTUCKY WEATHER SUMMARY, AUGUST 30 - SEPTEMBER 5, 2010:

Above Normal Temperature and Below Normal Rainfall:

This past week was another dry one, with very little rainfall across the Commonwealth. The continued dry conditions has stressed crops and even forced farmers to truck in water to livestock in several counties. The dry conditions have been the worst in the Bluegrass and Western climate divisions, with level one drought having been declared for several western counties. Fortunately temperatures this week were not to far above normal; however with a cold front passing through late in the week lows did drop to the 40s in many locations.

Temperatures for the period averaged 73 degrees across the state which was 2 degrees above normal and one degree cooler than the previous week. High temperatures averaged from 86 in the West to 84 in the East. Departure from normal high temperatures ranged from 2 degrees above normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 62 degrees in the West to 59 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 1 degree below normal in the East.

Rainfall for the period totaled 0.12 inches statewide which was 0.70 inches below normal. Rainfall totals by climate division, West 0.33 inches, Central 0.00 inches, Bluegrass 0.07 inches and East 0.07 inches, which was 0.47, 0.85, 0.73 and 0.74 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Bardstown to a high of 1.67 inches at Paducah.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 5, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)				(Degrees Fahrenheit)						
Bardstown	0.00	21.76	1.51	+0.18	-1.92	95	46	72.5	+2	148	3493	+503
Berea	0.00	23.72	0.99	+1.49	-2.64	92	44	70.1	+0	135	3282	+193
Bowling Green	0.00	30.53	5.58	+8.11	+2.35	95	48	72.9	+2	150	3704	+585
Bristol	0.00	15.12	5.66	-3.76	+2.76	94	47	74.2	+4	157	3365	+497
Buckhorn Lake	0.02	20.83	5.05	-0.40	+1.73	89	43	68.0	-2	128	3218	+509
Cape Girardeau	0.11	17.17	1.11	-3.66	-2.08	90	46	73.3	+1	158	3686	+413
Campbellsville	0.01	27.45	1.59	+2.49	-2.58	92	43	69.8	-1	138	3397	+338
Covington	0.00	18.26	0.78	-1.78	-2.17	95	45	72.3	+2	145	3327	+494
Cumberland Gap	0.14	23.53	5.48	+0.16	+1.79	91	46	69.1	-1	131	3432	+594
Dix Dam	0.02	25.66	2.73	+3.49	-0.72	95	47	72.7	+3	147	3396	+369
Evansville	0.00	13.21	0.53	-6.79	-2.27	94	47	74.2	+1	157	3628	+508
Glasgow	0.00	29.26	7.81	+4.93	+4.17	91	46	70.9	+0	143	3565	+536
Grayson	0.37	26.00	2.43	+5.11	-0.78	93	43	69.4	-1	132	3216	+537
Hardinsburg	0.00	19.57	1.22	-2.68	-2.19	93	45	73.1	+2	152	3498	+373
Henderson	0.00	14.86	0.48	-5.69	-2.46	93	41	72.3	-0	147	3515	+365
Huntington	0.00	23.12	2.01	+2.13	-1.35	94	47	74.2	+4	157	3375	+512
Jackson	0.00	22.25	3.49	-0.11	-0.06	92	50	72.3	+2	147	3411	+702
Lexington	0.00	23.69	0.80	+2.11	-2.63	95	47	72.9	+3	148	3400	+531
London	0.00	23.02	5.81	+2.45	+2.76	90	46	68.9	-1	132	3402	+570
Louisville	0.00	23.80	1.80	+2.81	-1.34	98	52	77.0	+6	171	3859	+708
Mayfield	0.01	17.92	3.15	-4.62	-0.36	92	43	71.9	-1	147	3648	+462
Nashville	0.00	38.12	5.70	+17.19	+2.56	94	47	74.2	+3	157	3814	+468
Nolin Lake	0.00	24.17	1.83	+0.60	-1.68	92	43	70.3	-1	140	3443	+544
Paducah	1.67	15.99	3.19	-6.28	+0.08	92	49	74.8	+2	162	3734	+492
Princeton	0.00	23.72	2.35	+1.14	-1.16	91	46	73.2	+0	154	3659	+442
Quicksand	0.00	19.73	3.52	-2.63	-0.03	93	44	70.0	+0	136	3358	+649
Somerset	0.00	27.89	4.18	+4.62	+0.60	89	46	68.8	-1	132	3343	+414
Spindletop	0.35	22.57	1.84	+0.99	-1.59	95	46	71.9	+2	143	3396	+527
Williamstown	0.02	20.92	0.49	-0.31	-2.80	94	45	71.8	+2	143	3293	+424

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>